Zatta Robert J Form 4 July 19, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Middle)

(Zip)

1(b).

Zatta Robert J

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

C/O ROCKWOOD HOLDINGS.

INC., 100 OVERLOOK CENTER

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

Rockwood Holdings, Inc. [ROC]

3. Date of Earliest Transaction

(Month/Day/Year) 07/15/2011

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify below) below)

SVP & CFO

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

Demirative Counities Assumed Disposed of an Demoficially Or

PRINCETON, NJ 08540

(City)	(State)	Table I - Non-Derivative Securities Acqu					iired, Disposed of, or Beneficially Owned			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securitin(A) or Dis (Instr. 3, 4)	sposed	of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock, par value \$0.01	07/15/2011		M	8,611	A	\$ 14.61	103,720	D		
Common Stock, par value \$0.01	07/15/2011		M	1,389	A	\$ 14.61	105,109	D		
Common Stock, par value \$0.01	07/15/2011		S	10,000	D	\$ 57.25	95,109	D		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. 5. Number Transaction Derivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options (right to buy)	\$ 14.61	07/15/2011		M	8,611	<u>(1)</u>	10/15/2014	Common Stock, par value \$0.01 per share	8,611
Stock Options (right to buy)	\$ 14.61	07/15/2011		M	1,389	(2)	10/15/2014	Common Stock, par value \$0.01 per share	1,389

Reporting Owners

Reporting Owner Name / Address	Relationships

Date

Director 10% Owner Officer Other

Zatta Robert J C/O ROCKWOOD HOLDINGS, INC. 100 OVERLOOK CENTER PRINCETON, NJ 08540

SVP & CFO

Signatures

/s/ Robert J. 07/19/2011 Zatta

**Signature of

Reporting Person

Reporting Owners 2

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- These performance-based options were granted on October 15, 2004 and vested 20% on December 31 of each year beginning with 2004 (1) upon achievement of specified performance-based targets and expire on October 15, 2014. This transaction was executed pursuant to the terms of a trading plan under SEC Rule 10b5-1.
- (2) These time-based options were granted on October 15, 2004 and vested 20% on each of the first five anniversaries of the grant date and expire on October 15, 2014. This transaction was executed pursuant to the terms of a trading plan under SEC Rule 10b5-1.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.